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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/775,074	02/01/2001	Gerhard Reichert	1663-I-CIP 8012	
45069 FRED ZOLLIN	7590 05/03/2007 JCER III		EXAMINER	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)		
Office Action Summary		09/775,074	GERHARD REICHERT		
		Examiner	Art Unit		
		Phi D. A	3637		
Period fo	The MAILING DATE of this communication apport	pears on the cover sheet with the			
A SH WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANS IN THE MAIL	ATE OF THIS COMMUNICATION  36(a). In no event, however, may a reply be to the state of the state	N. imely filed  The mailing date of this communication.  ED (35 U.S.C. § 133).		
Status					
	Responsive to communication(s) filed on 07 Fe				
/	•—	action is non-final.			
3)					
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.		
Dispositi	ion of Claims				
5)⊠ 6)⊠ 7)□	4a) Of the above claim(s) is/are withdraw Claim(s) <u>26,27,36-39 and 41-49</u> is/are allowed Claim(s) <u>23-25,28-30,32,33,69,71-75</u> is/are rejuctaim(s) is/are objected to.  Claim(s) are subject to restriction and/or	ected.			
Applicati	on Papers				
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Example.	epted or b) objected to by the drawing(s) be held in abeyance. Se ion is required if the drawing(s) is of	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).		
Priority u	ınder 35 U.S.C. § 119				
12) [ ] a)[	Acknowledgment is made of a claim for foreign  All b) Some * c) None of:  Certified copies of the priority documents  Certified copies of the priority documents  Copies of the certified copies of the prior application from the International Bureau See the attached detailed Office action for a list of the certified copies of the attached detailed Office action for a list of the certified copies of the prior application from the International Bureau See the attached detailed Office action for a list of the certified copies of the priority documents.	s have been received. s have been received in Applicativity documents have been received (PCT Rule 17.2(a)).	tion No ved in this National Stage		
Attachmen	t(s)				
2) 🔲 Notic 3) 🔲 Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	Date		

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#### Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/7/07 has been entered.

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 23, 28-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Reed (4567710).

Reed (figure 1, 13) shows a simulated divided lite insulating glazing unit having an internal muntin bar grid (32, 33, figure 13), the unit comprising first and second spaced glass sheets spaced apart by a perimeter spacer (figure 2), the glass sheets and the spacer defining an insulating chamber, an internal muntin bar grid disposed inside the chamber, the internal bar grid extending between different portions of the spacer to divide the chamber into separate lites to provide a divided lite appearance to the unit, the internal bar grid having a plurality of rigid inner muntin grid elements and a plurality of flexible, collapsible outer muntin grid elements 9, figure 13), the inner grid elements crossing each other and being arranged in a grid that defines the

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pattern of the internal bar grid, each of the inner muntin grid elements having longitudinal edges and longitudinal sides, when separated from the inner grid elements, the collapsible outer muntin grid elements (9) are capable of being collapsed to a collapsed position and reopened to an open position wherein each outer element defining a longitudinal openings (inherently capable of functioning as claimed), each outer grid element surrounding at least a portion (portion 36, and the area at 33 is surrounded as claimed) of an inner muntin grid element to hide the longitudinal edges and sides of that portion of the inner grid element from view of both sides of the unit, the outer muntin grid elements are in the form of continuous tubes disposed around the inner muntin grid elements, the outer muntin grid elements are connected to the inner muntin grid elements with connectors (28, 30), at least one of the outer muntin grid elements includes at least one protruding foot (25) that increases the width of the outer muntin grid element, the foot protruding in a direction perpendicular to the first and second glass sheets, each of the outer muntin grid elements being a unitary tube having a continuous sidewalls, the outer grid elements being from a non-metallic material, the inner muntin grid elements cross each other at lap joints.

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#### Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claim 24, 69, 71-73 are rejected under 35 U.S.C. 103(a) as being unpatentable over Reed in view of Baier (5345743).

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Reed shows all the claimed limitations except for the muntin outer grid being made of foam material.

Baier discloses the use of foam material for forming a muntin grid (22).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Reed's structure to show the muntin outer grid being made of foam material as taught by Baier because foam material is a well known plastic material for forming muntin grid, and the use of foam material to foam a flexible muntin grid would have been obvious to one having ordinary skill in the art.

Per claim 73, Reed as modified shows all the claimed limitations except for the outer muntin grid elements being notched at the lap joints.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Reed's modified structure to show the outer muntin grid elements being notched at the lap joints because it would allow the outer elements to continue covering the inner elements beyond the joint area.

5. Claim 74 is rejected under 35 U.S.C. 103(a) as being unpatentable over Reed.

Reed shows all the claimed limitations except for the outer muntin grid elements being notched at the lap joints.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Reed's structure to show the outer muntin grid elements being notched at the lap joints because it would allow the outer elements to continue covering the inner elements beyond the joint area.

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6. Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over Reed in view of Baier (5345743).

Reed as modified shows all the claimed limitations except for the foam material including a desiccant.

Baier further discloses desiccant within an insulated glass to absorb moisture within the glass chamber.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Reed's modified structure to show the foam material including a desiccant as taught by Baier because it would help absorb moisture seeping into the double layer glass panel and thus keeping the panels clear.

7. Claim 32 is rejected under 35 U.S.C. 103(a) as being unpatentable over Reed.

Reed shows all the claimed limitations except for the outer muntin grid elements being resilient.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Reed's structure to show the outer muntin grid elements being resilient because having the grid elements formed of resilient material would allow the outer grid elements to repeatedly flex and hold tight to the inner grid elements.

Claim 33, 75 are rejected under 35 U.S.C. 103(a) as being unpatentable over Reed.
 Reed shows all the claimed limitations except for the outer muntin grid elements being

resilient.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Reed's structure to show the outer muntin grid elements being resilient

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because having the grid elements formed of resilient material would allow the outer grid elements to repeatedly flex and hold tight to the inner grid elements.

Per claim 75, Reed as modified shows all the claimed limitations except for the outer muntin grid elements being notched at the lap joints.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Reed's modified structure to show the outer muntin grid elements being notched at the lap joints because it would allow the outer elements to continue covering the inner elements beyond the joint area.

### Allowable Subject Matter

9. Claims 26-27, 36-39, 41-49 are allowed.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phi D A whose telephone number is 571-272-6864. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lanna Mai can be reached on 571-272-6867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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4/30/07